



DEPARTMENT OF THE NAVY

NAVAL SPACE COMMAND
DAHLGREN, VIRGINIA 22448-5170

IN REPLY REFER TO

5750
Ser OOP/437

MAY 31 1990

From: Commander, Naval Space Command
To: Director of Naval History (OP-09BH)
Subj: SUBMISSION OF 1989 COMMAND HISTORY (OPNAV REPORT 5750-1)
Ref: (a) OPNAVINST 5750.12D
Encl: (1) Commander's Biography
(2) Deputy Commander's Biography
(3) Technical Director's Biography
(4) Officer in Charge NAVSPACECOM DET Biography
(5) NAVSPACECOM Organization Chart
(6) NAVSPACECOM Special Publication "Naval Space Operations - Exploiting the High Ground"

1. Per reference (a), the following command history is submitted.

2. GENERAL HISTORY

a. Mission. To command assigned naval shore activities. To provide direct support to fleet units worldwide as well as other agencies as directed by higher authority. To provide, operate, and maintain adequate naval space resources and personnel; to coordinate naval requirements for the use of existing space capabilities and resources; to support mission development for current and future space activities. To determine facilities and systems requirements; to determine requirements for inclusion in the planning, programming, and budgeting system; to coordinate the execution of approved space programs; to exercise command and support authority over naval space systems on a naval service-wide basis in support of national maritime strategy; and to perform such other functions as may be directed by higher authority.

b. Command Organization. The Naval Space Command is an echelon 2 command and is composed of a headquarters staff and three field activities: the Navy Astronautics Group, the Naval Space Surveillance Center, and the Fleet Surveillance Support Command.

Included in the headquarters staff are three billets for the NAVSPACECOM Detachment located at the U.S. Space Command Headquarters, Peterson AFB, Colorado Springs, CO; and two billets to perform the fleet support function of the Navy's Tactical Exploitation of National Capabilities (TENCAP) office.

Enclosure ()

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The Naval Space Command Reserve Unit (Naval Reserve NAVSPACECOM 0166), was established in 1984, and a Marine Corps Reserve Augmentation Unit established in 1987. These reserve personnel conduct their annual training with Naval Space Command and will augment the command in the event of mobilization.

The Commander of Naval Space Command reports to the Director, Navy Space Systems Division (NAVOP-943), and to the Commander-in-Chief, U.S. Space Command.

Primary Naval Space Command Staff Officers:

- RADM David E. Frost, USN, Commander
- COL Charles R. Geiger, USMC, Deputy Commander
- Dr. William E. Howard, III, Technical Director
- CAPT Donald G. Diaz, USN, OIC, NAVSPACECOM DET, CO Springs
- Mr. Thomas E. Edwards, Director, Management Support Div
- CDR Walter E. Wilson, USN, Director, Intelligence Div
- CAPT Timothy A. Hunsberger, USN, Director, Operations Div
- CAPT Curtis Bartmess, Jr., USN, Director, Logistics and Information Systems Div
- CAPT Timothy A. Hunsberger, USN, Acting Director, Space Plans Div
- CDR Stephen S. Oswald, USNR, Commanding Officer, Naval Reserve NAVSPACECOM 0166

c. Description of Mission Accomplishment.

(1) Management Support Division.

JAN - Input for the FY1990-91 President's Budget Submission was completed.

MAR - Collated and forwarded NAVSPACECOM's recommended Integrated Priority List to U.S. Space Command.
- Hosted two-week Joint Space Intelligence Operations Course.

- Hosted Dr. Bagaria and Dr. Clark from the U.S. Naval Academy for a review of selected USNA programs.

APR - Conducted annual review of USNA aeronautical and astronautical engineering curricula.

MAY - Naval Reserve NAVSPACECOM 0166 was assigned responsibility for preparing Naval Space Correspondence Course.

JUN - FY 1990/91 NAVCOMPT O&M,N Budget prepared and submitted to OP-09BF for review and submission.

JUL - Coordinated annual summer visit of space operations and space engineering students from the U.S. Naval Postgraduate School.

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OCT - Received first payroll from the Navy Regional Finance Center.

- POM 92 submitted to NAVOP-943, and POM 92 Component Issue Papers submitted to NAVOP-801.

(2) Intelligence Division.

JAN - Began SSO sponsorship of Navy and Marine Corps astronauts.

- Assisted ACOS Second Fleet training review by providing radar vulnerability assessment and area specific space threats.

- Established NAVSPACECOM as the tasking coordinator for TIPE.

FEB - Provided intelligence support to exercise WINTEX-CIMEX 89.

- Provided Chambered Round and TIPE support to 2nd Fleet during exercise NORTH STAR 89.

- Developed a briefing about the vulnerability of the AEGIS weapon system to hostile space systems for students attending the of the AEGIS Training Center.

MAR - Provided Chambered Round support for CINCPACFLT Red Cell 2-89/CV-61/BG ECHO during transit from Hawaii to Philippines.

- Coordinated SLOW WALKER Probability of Detection paper to Commander, Naval Security Group.

APR - Provided Chambered Round support and began first direct dissemination of TIPE to CCG-2/CV-43 during FLEETEX 3-89.

- Completed coordination with SECGRU, OP-092, NSA, and NAVSPACECOM's Operations Division concerning SLOW WALKER Probability of Detection message.

MAY - Provided Chambered Round support to CCG-2/CV-43/FOSIF Rota for an undefined period (about six months).

JUN - Provided Chambered Round support to CCG-2/CV-43/FOSIF Rota and NORPAC-89.

- Command's Chambered Round program was briefed to CENTCOM/SOCOM, McDill AFB, FL on 1-2 June.

JUL - Provided Chambered Round support to CCG-2/FOSIF Rota, CCG-4, and CCG-6/FLEETEX 4-89.

- Command's Chambered Round space intelligence support program added to CINCLANTFLT INST S3830.2F.

AUG - Provided Chambered Round support to CCG-2/FOSIF Rota, CCG-4, CCG-6/FLEETEX 4-89.

SEP - Provided Chambered Round support to CCG-2/FOSIF Rota, PACEX-89/NIGHT FURY, and CCG-6.

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OCT - Provided three overlapping Chambered Round support efforts to CCG-2/FOSIF Rota/MED 3-89, CCG-6/MED 1-90, and PACEX-89.

- The first Marine NCO arrived and began a six-month TAD assignment as part of the Chambered Round Personnel Augmentation Program.

NOV - Provided Chambered Round support to CCG-6/MED 1-90/FOSIF Rota, and started planning CCG-4/Carib operations.

- Dr. Kelsey, CNA presented proposal for NAVSPACECOM to assume Navy RED CELL mission.

- Hosted NSA site survey team who were visiting to determine feasibility of direct connectivity to NSA for some of our automated systems.

DEC - Provided Chambered Round support to CCG-6/FOSIF Rota/MED 1-90.

- Obtained SSO DIA Tempest approval for TENCAP and NAVSPOC SCIF working spaces.

- SSO activities	Year-End
	Totals
-- Indoctrinations/Debriefs:	185
-- SBIs Reviewed/Submitted:	66
-- Defense Courier Service Transactions:	400
-- Transfer-in-Status:	29
-- Clearance Messages Sent:	482

(3) Operations Division.

JUN - Published and distributed over 1,200 copies of the first edition of the Navy Space Tactical Manual.

- Sponsored sixth Naval Space Workshop at the Tactical Training Group Pacific in San Diego, CA; focus on tactical applications of space systems by Navy and Marine Forces.

JUL - Hosted ROTHF UK meeting.

NOV - Assumed operational control of FLTSAT-8 spacecraft and its ultra-high frequency communications payload on 15 Nov.

(4) Logistics and Information Systems Division.

JAN - Completed a hookup to NSWC's ADP local area network (PEP).

FEB - WIN/WWMCCS system installed in NAVSPOC by Naval Electronics Systems Center, Portsmouth.

MAR - FY89 MCON P-223, First ROTHF, Guam designed to 100% pending site approval.

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APR - Congress approves emergency construction funding of \$1.8 million for FY89 MCON P-922, Fire Station, Amchitka, AK. Construction awarded 28 April 1989.

JUN - FY91 MCON P-249, SPASUR Headquarters/ASPADOC designed to 35%.

JUL - FY89 MCON P-223, First ROTHr, Guam Draft Environmental Impact Statement completed and forwarded to SECNAV.
- FY89 MCON P-813, BEQ/BOQ/EDF, Cheapeake, VA construction awarded for \$3.7 million.

AUG - FY89 MCON P-223, First ROTHr, Guam Public Hearings held on Guam, Tinian, and Siapan.

SEP - Installed UX 4.0 and SX secure operating systems on SIMS.
- Special Project C79-89, NAG Offices, Point Mugu, CA awarded for \$177,000.

OCT - FY89 MCON P-010, SPASUR Receiver, San Diego resited from Campo to Brown Field completes 35% design.
- FY90 MCON P-225, Second ROTHr, Guam dropped by HASC-SASC conferees in response to pressure by Guam Congressman Blaz.
- FY90 MCON P-827, BEQ Addition, Chesapeake, VA designed to 100%.

DEC - Completed 35% design review for FY91 MCON P-001, Amchitka ROTHr II (Phase I).

(5) Space Plans Division.

FEB - Provided targeting data generated on NEST system for SPY-1B radar ASAT experiments being conducted by the Applied Physics Laboratory.

APR - Completed final draft of Phase I - Generic Functional Architecture for the overall Naval Space Warfare Architecture (NSWA).
- Hosted ASAT Concept of Operations Workshop to facilitate the exchange of operationally related ASAT information between operators and the acquisition community.

JUN - Two NAVSPACECOM projects funded under the CINC C2 Initiatives program: the NAVASTROGRU disaster backup computer and the NAVSPOC local area network.

JUL - MOU signed between NAVSPACECOM and the System Integration Office (SIO).
- Installed PC-based MSI workstation at the Naval Strike Warfare Center.

AUG - Installed PC-based MSI workstation at MAWTS-1.

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OCT - Began distribution of first revision to the Naval Space Master Plan.

- Completed study of environmental sensors and their support of naval warfare.

NOV - Completed study to define high-priority naval missions for a NASP-derived vehicle.

3. Special Topics

a. Command Funding. Actual O&M,N funding for Naval Space Command headquarters for FY89 totaled \$6,100,000 with the following breakdown:

Civilian Personnel	\$2.0M
Facilities Operation & Maintenance	0.5M
Other Purchases	3.6M

b. Personnel Statistics. Naval Space Command's headquarters staff included 53 civilians and 44 officers and enlisted personnel for FY89.

c. Space Awareness Training Initiatives. Command intelligence and operations representatives continued to provide space awareness briefings to Navy and Marine Corps forces including both the Space Tactical Awareness Brief and the Space Threat Brief. In addition, a program was developed to institutionalize space awareness at naval training centers by providing instructors with required space training and material.

Beginning this year, Naval Space Command's space awareness training was incorporated as part of THIRD Fleet's PDIB, and command personnel will be involved with training intelligence personnel for every deploying battle group in the Pacific Fleet. NAVSPACECOM briefers remain an integral part of NMITC's training syllabus for both Navy and Marine Corps intelligence officers and senior enlisted personnel.

(1) Space Tactical Awareness Briefs:

- PHIBGRU-2/FLTDECGRULANT Little Creek
- SWOS Naval War College
- DESRON-10, Norfolk, VA
- SUBDEVRON-12, New London, CT
- 4th Marine Division, New Orleans, LA
- Surface Warfare Ed Group, Norfolk, VA
- CCG-2
- SUBLANT PCO, Norfolk, VA
- SEVENTH Fleet
- FOSIF Kami Seya
- Patrol Wing ONE
- SUBPACO Pearl Harbor, HI
- CCG-4, Norfolk, VA

(2) Space Threat Briefs:

- MEU Staff, Headquarters Marine Corps
- MAWTS-1, Yuma, AZ
- Joint Space Intelligence Operations Course, Dahlgren
- NMITC Basic Intel Officer's Course, Dam Neck, VA
- 4th Marine Division Intel Conference, New Orleans, LA
- CCG-7 C2 and Asst Intel Officers
- Op/Intel Course NMITC, Dam Neck, VA
- BIOC, NMITC, Dam Neck, VA
- SEVENTH Fleet
- FOSIF Kami Seya
- Patrol Wing ONE
- NMITC, Basic Intel Officer Course
- CCDG-3/CCG-3 Predeployment Intel Brief, San Diego, CA
- FLTINTELTRACENPAC/TACTRAGRUPAC Intel Instructors
- COMCRUDESGRU-1 and FITCPAC for Predeployment Training
- USMC CI Course, NMITC
- 3rd MAW, El Toro MAS, CA
- 2nd Marine Division, MCB Camp Lejeune, NC
- TLAM-N Security Conference, NOB Norfolk
- FICEURLANT, Norfolk, VA
- 1st MEF
- 1st Marine Division
- 3rd MAW
- COMCRUDESGRU-12, Mayport, FL

d. Community Relations.

MAR - Sponsored Dr. Kathryn Sullivan, NASA astronaut and Naval Reservist, as a guest speaker for the Dahlgren chapter of Women in Science and Engineering in observance of Women's History Month.

MAY - Cosponsored the third annual AFCEA Space Symposium at the U.S. Naval Academy; topic was "Current Issues in Military Space."

JUN - Provided instructors for a space systems engineering course for the 1989 Regional Governor's School for gifted students held at James Monroe High School in Fredericksburg, VA.
- Contributed \$2,198.25 toward the Navy Relief fund drive conducted at Dahlgren.

JUL - Provided NAVSPACECOM exhibit and coordinated NASA exhibits and a lecture presentation for NSWC's 4th of July Celebration.

- Conducted three Spaceweek '89 programs, two at Smoot Memorial Library in King George and one at the Rappahannock Regional Library in Fredericksburg. The programs featured a NAVSPACECOM exhibit, handout literature from the command and NASA, and a film on the Apollo 11 mission to the Moon.

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NOV - Presented NAVSPACECOM brief to the Dahlgren chapter of Women in Science and Engineering.
- Contributed \$7,024 to the 1990 Combined Federal Campaign conducted at Dahlgren in October and November.

e. Prominent Visitors.

08 FEB - CINCSPACE Committee on Assessment of Defense Space Technology - two-day committee meeting itinerary featured the Naval Space Awareness Brief and a SPINSAT brief.

10 FEB - VADM Paul D. Miller, USN, Deputy Chief of Naval Operations (Naval Warfare) (OP-07) - tours of Naval Space Surveillance Center's Command Center and the NAVSPOC.

28 MAR - Strategic Studies Group - command overview, Naval Space Tactical Awareness brief, and operations and project briefs.

05 APR - RADM Riley D. Mixson, USN, Executive Director for the Force Strategic Defense Planning Staff, NORAD - command overview, Space Tactical Awareness brief, and operations and project briefs.

20 APR - Dr. Robert L. Norwood, Director for Space Strategic Systems, Office of the Secretary of the Army for Research, Development, and Acquisition - command overview and SPINSAT roundtable.

26 APR - COL Charles R. Geiger, USMC, Deputy Commander (Reporting), Naval Space Command - three-day itinerary included division overviews, Naval Academy Space Chair review, Blossom Point tour, and operations and project briefs.

16 MAY - BGEN Owen W. Lentz, USAF, Director of Intelligence, U.S. Space Command - command overview, NAVSPACECOM and NAVSPASUR tour.

24 MAY - Commander Carrier Group EIGHT Staff - command brief, Space Tactical Awareness brief, space threat brief, NAVSPOC tour, and operations and project briefs.

26 MAY - COL Carl Shaver, USMC, Deputy Director of Operations, Plans, and Requirements, U.S. Space Command - Space Tactical Awareness brief and operations and project briefs.

05 JUN - RADM William C. Bowes, USN, Director, Joint Cruise Missiles Project - command overview and tour.

19 JUN - GEN John L. Piotrowski, USAF, Commander in Chief, U.S. Space Command and NORAD - operations and project briefs.

07 JUL - CAPT Frederick H. Hauck, USN, Director, Navy Space Systems Division (OP-943) - operations and project briefs.

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20 JUL - Space Operations and Space Engineering Students, U.S. Naval Postgraduate School, command brief, operations and projects briefs.

09 AUG - CDR Pamela J. Patton, USN, Deputy Director for Intelligence Requirements (J2R), U.S. Space Command - command brief and tour, NAVSPASUR brief and tour, and project briefs.

21 AUG - OP-943/98 Staff - command brief and tour, NAVSPASUR tour, space threat brief, Space Tactical Awareness brief, and operations and project briefs.

14 SEP - BGEN Jay W. Kelly, USAF, Deputy Chief of Staff for Plans, Air Force Space Command - command brief and tour, NAVSPASUR brief and tour, project briefs, and Blossom Point tour.

25 SEP - NAVAIRLANT Staff - two-day itinerary featured command brief and tour, Space Tactical Awareness brief, space threat brief, NAVSPASUR tour, and project briefs.

25 SEP - VADM Diego E. Hernandez, USN, Deputy Command in Chief, U.S. Space Command - NAVSPOC demo, operations and project briefs, and NAVSPASUR brief.

17 OCT - CAPT Jay Johnson, USN, Strategic Studies Group, Naval War College - Space Tactical Awareness brief, NAVSPOC and NAVSPASUR tour, and project briefs.

30 OCT - MGEN Dailey, Commanding General, MCRADC - command brief, NAVSPOC tour, and operations and project briefs.

15 NOV - AIAA C3I Technical Committee Meeting - two-day itinerary featured command brief, NAVSPASUR brief, space plans brief, Naval Space Master Plan brief, and tours of NAVSPOC and NAVSPASUR.

01 DEC - LGEN Cook, Commanding General, Fleet Marine Force Atlantic - command brief, NAVSPOC tour, space planning brief, and operations and project briefs.

06 DEC - Canadian Forces Fleet School, Halifax, Nova Scotia, and Canadian Defence Liaison Staff, Washington, DC - command brief.

11 DEC - CAPT Lawrence M. Clarke, USN, Head, TENCAP Branch (OP-943E) - command brief, division briefs, NAVSPASUR tour, and operations and project briefs.

13 DEC - RADM W. A. Dougherty, Jr., USN, Commander Carrier Group FOUR - operations and project briefs, NAVSPOC tour, NAVSPASUR brief and tour.

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f. Significant Visits.

21 MAR - Protocol Officer Mr. Gary R. Wagner coordinated a command exhibit at the Navy League's Sea-Air-Space Expo in Washington, DC.

04 APR - Protocol Officer coordinated a command exhibit at the 5th National Space Symposium in Colorado Springs, CO.

14 APR - N3 Technical Advisor LT Cheryl Spohnholtz, USN, was a guest speaker for Project Uplift's Space and Technology Career Expo in Albuquerque, NM.

30 AUG - Deputy Commander COL Charles R. Geiger, USMC, visited U.S. Space Command at Peterson AFB, Colorado Springs, CO, and gave a NAVSPACECOM brief to Congressman Joel Hefley from Colorado's 5th Congressional District.

11 OCT - Protocol Officer presented a NAVSPACECOM brief to CINCSPACE's Public Affairs Working Group during its initial meeting in Colorado Springs, CO.



C. R. GEIGER
Deputy